

# EUROPEAN PATENT OFFICE

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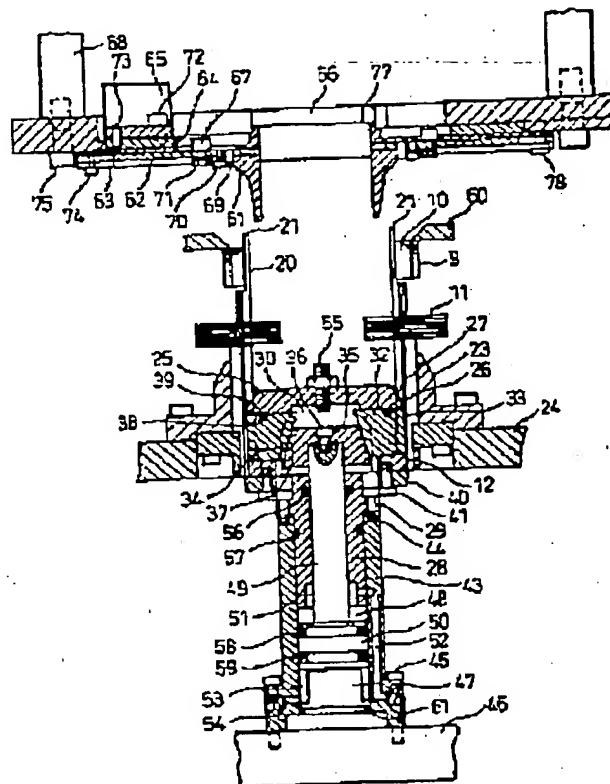
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TITLE : COIL INSERT APPARATUS



ABSTRACT : PROBLEM TO BE SOLVED: To eliminate defects such as the damage to a wedge or dislocation in inserting posture into a slot, even when a stator core is inserted with high density.

SOLUTION: In a coil insert apparatus, a plurality of forming arrows 61 to be driven vertically smoothly at an axial upper part of an annular body 20 and movable forward and backward radially in a radius direction. When a wedge 12 and a stator coil 11 are pushed by a pusher member 32 into an inner part, the forming arrow 61 is lowered, and a groove cam 64 is operated. Then, a coil extended from an upper part of the stator core 9 is pushed forcibly into an inner part of the slot, similarly to the shot member by widening the coil outward in a radius direction and uniformly, in accordance with the form of a blade 21 to such an extent that the interference with a stopper 25 can be avoided.

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